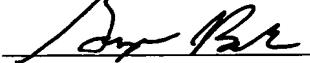
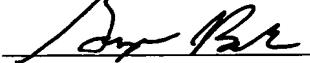
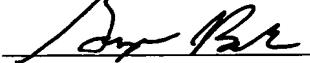


<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>039262-0164</b> U.S. APPLICATION NO. If known, see 37 C.F.R. 1.5 <b>1147594896</b> Date assigned
INTERNATIONAL APPLICATION NO. PCT/JP2005/006258	INTERNATIONAL FILING DATE 03/31/2005	PRIORITY DATE CLAIMED 03/31/2004
TITLE OF INVENTION VACUUM TUBE AND VACUUM TUBE MANUFACTURING APPARATUS AND METHOD		
APPLICANT(S) FOR DO/EO/US Tadahiro OHMI and Akihiro MORIMOTO		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li><input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ul> </p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> is attached hereto.</li> <li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern other document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Copy of International Search Report</p>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.6) <b>10/594896</b>		INTERNATIONAL APPLICATION NO. <b>PCT/JP2005/006258</b>	ATTORNEY'S DOCKET NUMBER <b>039262-0164</b>																																																																																																																																											
<p>The following fees have been submitted:</p> <table border="1"> <tr> <td>21. <input checked="" type="checkbox"/> Basic national fee</td> <td>\$300</td> <td>\$ 300.00</td> <td></td> </tr> <tr> <td>22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$100</td> <td>\$ 200.00</td> <td></td> </tr> <tr> <td>All other situations</td> <td>\$200</td> <td></td> <td></td> </tr> <tr> <td>23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority</td> <td>\$100</td> <td></td> <td></td> </tr> <tr> <td>International Search Report prepared and provided to the Office</td> <td>\$400</td> <td></td> <td></td> </tr> <tr> <td>All other situations</td> <td>\$500</td> <td>\$ 400.00</td> <td></td> </tr> <tr> <td colspan="2"><b>TOTAL OF ABOVE 21, 22 and 23 =</b></td> <td>\$ 900.00</td> <td></td> </tr> <tr> <td colspan="5"> <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$ for each additional 50 sheets of paper or fraction thereof.         </td> </tr> <tr> <td>Total Sheets</td> <td>Extra sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> <td></td> </tr> <tr> <td>46 - 100 =</td> <td>0 /50 =</td> <td>0</td> <td>x \$250.00</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="5">Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> <td>\$</td> </tr> <tr> <td>Total Claims</td> <td>36 - 20 =</td> <td>16</td> <td>x \$ 50.00</td> <td>\$ 800.00</td> </tr> <tr> <td>Independent Claims</td> <td>5 - 3 =</td> <td>2</td> <td>x \$ 200.00</td> <td>\$ 400.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$ 360.00</td> </tr> <tr> <td colspan="4"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td>\$ 2100.00</td> </tr> <tr> <td colspan="4"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.         </td> <td>+ \$ 1050.00</td> </tr> <tr> <td colspan="4"><b>SUBTOTAL =</b></td> <td>\$ 1050.00</td> </tr> <tr> <td colspan="5">Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> </tr> <tr> <td colspan="4"><b>TOTAL NATIONAL FEE =</b></td> <td>\$ 1050.00</td> </tr> <tr> <td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property</td> <td>\$ 40.00</td> </tr> <tr> <td colspan="4"><b>TOTAL FEES ENCLOSED =</b></td> <td>\$ 1090.00</td> </tr> <tr> <td colspan="4"></td> <td>Amount to be refunded:</td> </tr> <tr> <td colspan="4"></td> <td>charged:</td> </tr> <tr> <td colspan="5">       a. <input type="checkbox"/> A check in the amount of \$0.00 to cover the above fees is enclosed.        b. <input type="checkbox"/> Please charge my Deposit Account No. <u>19-0741</u> in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed.        c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0741</u>. A duplicate copy of this sheet is enclosed.        d. <input checked="" type="checkbox"/> Fees are to be charge to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.     </td> </tr> <tr> <td colspan="5">NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</td> </tr> <tr> <td colspan="5">SEND ALL CORRESPONDENCE TO:</td> </tr> <tr> <td colspan="5">         SIGNATURE  <u>George C. Beck</u>        NAME  <u>38,072</u>        REGISTRATION NUMBER     </td> </tr> <tr> <td colspan="5">September 29, 2006</td> </tr> </table>					21. <input checked="" type="checkbox"/> Basic national fee	\$300	\$ 300.00		22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)	\$100	\$ 200.00		All other situations	\$200			23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100			International Search Report prepared and provided to the Office	\$400			All other situations	\$500	\$ 400.00		<b>TOTAL OF ABOVE 21, 22 and 23 =</b>		\$ 900.00		<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$ for each additional 50 sheets of paper or fraction thereof.					Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		46 - 100 =	0 /50 =	0	x \$250.00	\$ 0.00	Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))					CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total Claims	36 - 20 =	16	x \$ 50.00	\$ 800.00	Independent Claims	5 - 3 =	2	x \$ 200.00	\$ 400.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$ 360.00	<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 2100.00	<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.				+ \$ 1050.00	<b>SUBTOTAL =</b>				\$ 1050.00	Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).					<b>TOTAL NATIONAL FEE =</b>				\$ 1050.00	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property				\$ 40.00	<b>TOTAL FEES ENCLOSED =</b>				\$ 1090.00					Amount to be refunded:					charged:	a. <input type="checkbox"/> A check in the amount of \$0.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <u>19-0741</u> in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0741</u> . A duplicate copy of this sheet is enclosed. d. <input checked="" type="checkbox"/> Fees are to be charge to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					SEND ALL CORRESPONDENCE TO:					 SIGNATURE <u>George C. Beck</u> NAME <u>38,072</u> REGISTRATION NUMBER					September 29, 2006				
21. <input checked="" type="checkbox"/> Basic national fee	\$300	\$ 300.00																																																																																																																																												
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)	\$100	\$ 200.00																																																																																																																																												
All other situations	\$200																																																																																																																																													
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority	\$100																																																																																																																																													
International Search Report prepared and provided to the Office	\$400																																																																																																																																													
All other situations	\$500	\$ 400.00																																																																																																																																												
<b>TOTAL OF ABOVE 21, 22 and 23 =</b>		\$ 900.00																																																																																																																																												
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$ for each additional 50 sheets of paper or fraction thereof.																																																																																																																																														
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																																																																																																																											
46 - 100 =	0 /50 =	0	x \$250.00	\$ 0.00																																																																																																																																										
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))																																																																																																																																														
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$																																																																																																																																										
Total Claims	36 - 20 =	16	x \$ 50.00	\$ 800.00																																																																																																																																										
Independent Claims	5 - 3 =	2	x \$ 200.00	\$ 400.00																																																																																																																																										
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$ 360.00																																																																																																																																										
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 2100.00																																																																																																																																										
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.				+ \$ 1050.00																																																																																																																																										
<b>SUBTOTAL =</b>				\$ 1050.00																																																																																																																																										
Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).																																																																																																																																														
<b>TOTAL NATIONAL FEE =</b>				\$ 1050.00																																																																																																																																										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property				\$ 40.00																																																																																																																																										
<b>TOTAL FEES ENCLOSED =</b>				\$ 1090.00																																																																																																																																										
				Amount to be refunded:																																																																																																																																										
				charged:																																																																																																																																										
a. <input type="checkbox"/> A check in the amount of \$0.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <u>19-0741</u> in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0741</u> . A duplicate copy of this sheet is enclosed. d. <input checked="" type="checkbox"/> Fees are to be charge to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																																																																																																																																														
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																																																																																																																																														
SEND ALL CORRESPONDENCE TO:																																																																																																																																														
 SIGNATURE <u>George C. Beck</u> NAME <u>38,072</u> REGISTRATION NUMBER																																																																																																																																														
September 29, 2006																																																																																																																																														